WHAT THE INVENTION CLAIMED IS

1. A light emitting diode display device, comprising:

a circuit module, having an upper circuit board and a lower circuit board joint together; and

a frame, covering said circuit module, wherein said frame comprises a display face, and a sidewall on each side thereof, wherein said sidewall comprises a button flange for jointing with other element, and a space, wherein said upper circuit board is smaller than the lower circuit board, and a length of a side of said upper circuit board is different from a length of a side of said lower circuit board and thereby forming an indentation so that said frame can be supported by said indentation, and wherein said upper circuit board is covered by said frame and a resin for secure assembly.

2. The light emitting diode display device according to claim 1, wherein said upper and lower circuit boards have at least two sides jointed together to form said indention.

3. The light emitting diode display device according to claim 1, wherein said upper circuit board of said protruded circuit board comprises a plurality of integrated circuits.

4. The light emitting diode display device according to claim 1, wherein said upper circuit board of said protruded circuit board comprises a plurality of light-emitting diode crystals.

5. The light emitting diode display device according to claim 1, wherein said circuit module is comprised of a plurality of orderly stacked circuit boards.

6. The light emitting diode display device according to claim 5, wherein the sizes of said stacked circuit boards from the top to the bottom increase in an orderly manner.

7. The light emitting diode display device according to claim 1, wherein said protruded circuit board is made of metallic material.

8. The light emitting diode display device according to claim 1, wherein said protruded circuit board is made of bakelite.

9. The light emitting diode display device according to claim 1, wherein said protruded circuit board is made of fiber material.

10. The light emitting diode display device according to claim 1, wherein said protruded circuit board is made of insulation material.

11. The light emitting diode display device according to claim 1, wherein said upper and lower circuit boards are jointed together by pressing.

12. The light emitting diode display device according to claim 1, wherein said upper and lower circuit boards are jointed together by using rivets.

13. The light emitting diode display device according to claim 1, wherein said upper and lower circuit boards are jointed together by welding.